

Comparison of enthalpy, entropy, and volume changes of chemical reactions

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Abstract

© 2015 Springer Science+Business Media New York. The enthalpy, entropy, and volume changes were compared for 63 reactions. The changes in entropy and volume are proportional to a significant extent, whereas no proportionality between the changes in enthalpy and volume of the reactions are observed.

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Keywords

reaction enthalpy, reaction entropy, reaction volume